Unit 2 Practice Questions – THE PUBLISHING COMPANY

Part A Set Task Brief

You are advised to spend 10 minutes reading the Task Scenario and the activities you are to complete.

You may make notes and/or highlight information to use in the completion of the documents you need to produce for your task.

Task Scenario

You have been asked to create a database for the East Berkshire Publishing Company. Currently all records are stored on a spreadsheet.

The Company would like to be able to store and report data on how their books are published. The database will record information about:

- Authors
- Titles
- Editions

An edition is the actual physical copy of a book, which includes the type of book, publication date, edition number, number of copies sold and price.

The book type can be hardback, paperback or audio. The company wants the flexibility to add new book types at a later date.

There must always be at least one edition of a book sold.

If an edition sells between 2000 – 4999 copies it is bronze, 5000 – 10,000 it is silver and over 10,000 it is gold.

When a first print run is sold out (EditionNumber = 1), a second print run is done and these books are EditionNumber = 2.

Books cannot be published before 01/07/2020.

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The Publishing Company Sample Data

EditionID	AuthorID	BookID	Publication Date	Book Title	Book Type ID	Book Genre	Author Name	Edition Number	Number of Copies	Book Type	Price
200	11	71	01/07/2020	Flowers	1	Thriller	Smith	1	1000	Hardback	£10

Figure 1 Sample Data for the Publishing Company

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Activity 2: Table structures and validation (45 minutes)

Create efficient table structures based on Activity 1 and the data shown in Figure 1.

The table structures must use suitable validation to meet these requirements:

- An author record cannot save without the name being present

Input the data given in Figure 1 into your relational database.

Evidence your table structures and validation as screenprints.

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Display your screenprints to show:

- the design view of each table showing the structure, including the fields and data types
- validation including a suitable example for each of these:
  - presence check
  - length check
  - value lookup or range check
  - table lookup
  - format check.

You are advised to spend **45 minutes on this activity.**

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